



## **TRANS TECH CONSULTANTS**

*Environmental Compliance Services  
Engineers • Geologists • Planners  
License # 697833 (A-Haz)*

February 14, 2005

Job No. 1520.01

Mr. Gary Holtz  
Sonoma County Department of Health Services  
Environmental Health Division  
475 Aviation Boulevard, Suite 220  
Santa Rosa, CA 95403

Subject:       **Data Transmittal and Site Closure Request  
5352 Old Redwood Highway, Santa Rosa, California  
SCDHS-EHD Site #00014186; NCRWQB Site #1TSO770**

Dear Mr. Holtz:

This report presents the results of the confirmation groundwater sample collected from monitoring well MW-3 as recommended in the 2<sup>nd</sup> Post Remediation Monitoring Report. The site is approximately located as shown on the Site Location Map, Plate 1. The work was performed in general accordance with directives from the Sonoma County Department of Health Services Environmental Health Division (SCDHS-EHD).

### **Monitoring Well Sampling**

On February 1, 2005, a groundwater sample was collected from the monitoring well MW-3. The approximate well locations and general site features are shown on the attached Site Plan/Groundwater Elevation Contour Map, Plate 2. Prior to sampling, static water levels in all wells were measured and checked for the presence of free product using an oil/water interface probe. No free product was reported during this monitoring event. To produce a representative groundwater sample prior to sampling, monitoring well MW-3 was then purged of at least three well casing volumes using a submersible pump. In addition, the indicator parameters including the temperature, pH, and conductivity were measured during purging and recorded on the attached Groundwater Field Sampling Form, Appendix A. The water level in each well was allowed to recover to more than 90% of the original water level prior to sampling. A groundwater sample was collected using a disposable bailer and transferred to the appropriate containers supplied by the laboratory. The groundwater sample containers were labeled, stored under refrigerated conditions, and then transported under Chain-of-Custody documentation to Alpha Analytical Laboratories of Ukiah, California for chemical analysis. Purged groundwater generated during the sampling of the wells was stored onsite in 55-gallon DOT approved drums, pending disposal.

### Water Level Measurements

Monitoring well top-of-casing (TOC) elevations, measured depths to groundwater, the calculated groundwater elevations, and the calculated groundwater flow direction and gradient for February 1, 2005 are tabulated on Table 1. Water level elevations are expressed in feet relative to mean sea level (msl), water level depths are expressed in feet, and gradients are expressed as feet per foot. Historical groundwater flow direction and gradient data is presented in Appendix B.

**Table 1 - Groundwater Flow Direction and Gradient Data**

Date	Monitoring Well	TOC Elevation (feet>msl)	Depth to Groundwater (feet)	Water Level Elevation ((feet>msl)	Groundwater Flow Direction & Gradient (i)
02/01/05	MW-1	124.92	12.56	112.36	S10° E i = 0.02
	MW-2	125.33	12.45	112.88	
	MW-3	125.52	13.70	111.82	

Groundwater elevation contours based on wells MW-1 through MW-3 for the February 1, 2005 sampling event are shown on Plate 2.

### Laboratory Chemical Results

Groundwater samples collected from MW-3 on February 1, 2005 were analyzed for total petroleum hydrocarbons (TPH) as gasoline using Environmental Protection Agency (EPA) Test Method 8260B. The samples were also analyzed for the volatile organic compounds: benzene, toluene, ethyl benzene, and total xylenes (BTEX), the oxygenated fuel additives, including methyl tert butyl ether (MtBE), and lead scavengers using EPA Test Method 8260B. TPH as diesel and TPH as motor oil analysis was unobtainable due to sample container damage at the laboratory. The analytical results from the February 1, 2005 sampling event are tabulated on page 3, Table 2. The laboratory chemical report, including the Chain-of-Custody documentation are attached in Appendix C. Historical groundwater analytical results are presented in Appendix D.



**Table 2 - Groundwater Analytical Results**

Sample Date	Sample ID	TPH as Gasoline	TPH as Diesel	TPH as Motor Oil	B	T	E	X	MtBE
		-----µg/L-----							
02/01/05	MW-3	<50	NA	NA	<0.30	<0.30	<0.50	<0.50	0.88
< = Indicates the reported laboratory detection limit. NA = Not analyzed.									

### Discussion

Relative to the February 2005 sampling event, TPH as gasoline was not detected at or above the reported laboratory detection limit from the samples collected from MW-3. MtBE was detected in the sample collected from MW-3 at a concentration of 0.88 µg/L. BTEX constituents were not detected at or above the laboratory detection limits.

We recommend that the onsite domestic well DW-5352 be sampled again to confirm our June 2003 analytical results. Provided that the analytical results for the confirmation sample are below laboratory detection limits, we will respectfully request that the site be considered for case closure. Our recommendation for site closure is based on the evaluation of data represented in the following reports: *Summary Report of Investigation* dated July 9, 2003, *Sensitive Receptor Survey* dated October 7, 2003, *Report - Site Excavation Activities* dated November 10, 2004, and cumulative monitoring event data presented herein. Additional site information is available that has not been referenced.

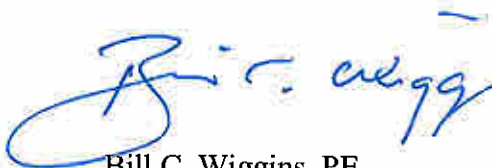


We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at 575-8622 or [www.transtechconsultants.com](http://www.transtechconsultants.com).

Sincerely,  
TRANS TECH CONSULTANTS



Brian R. Hasik  
Staff Geologist



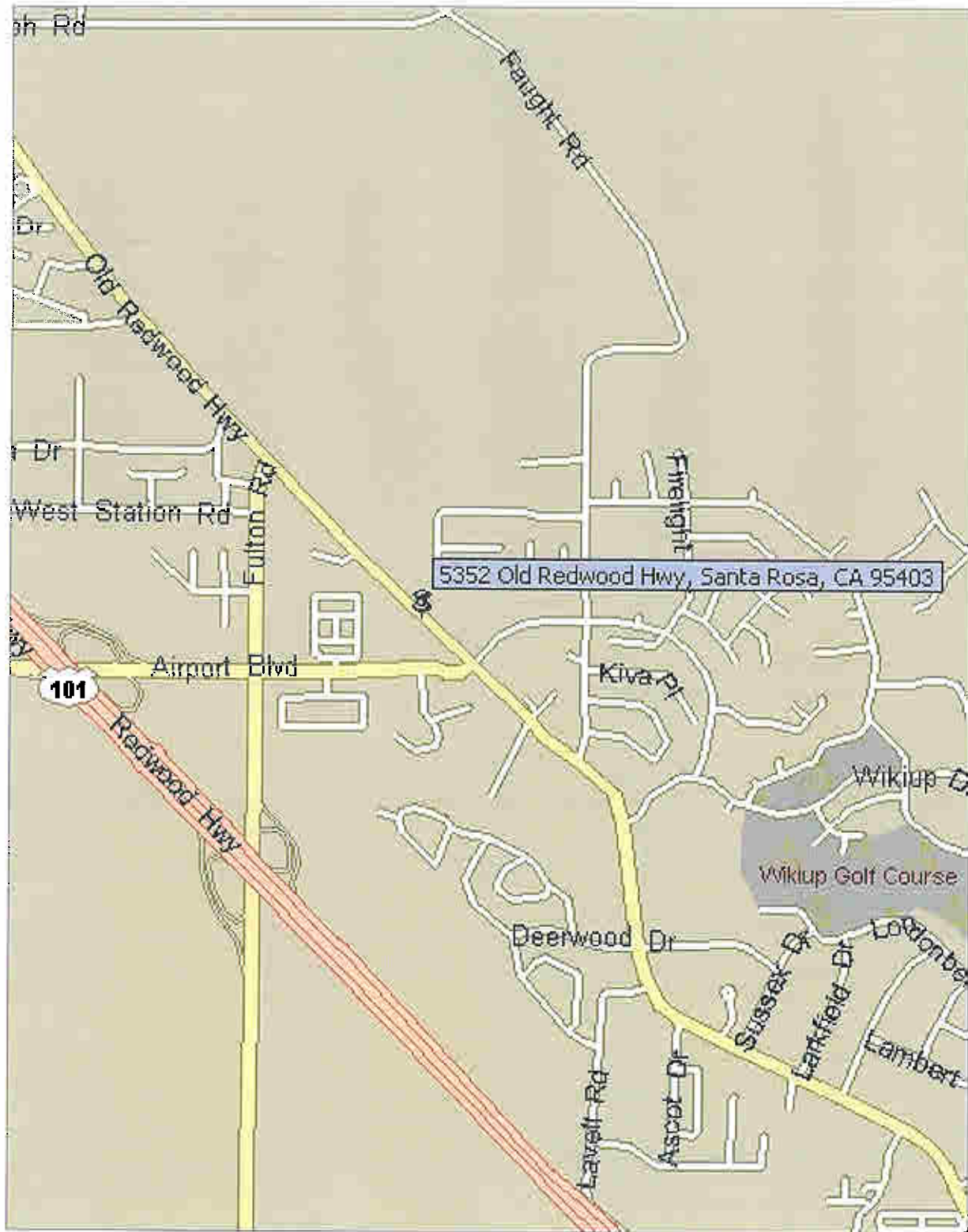
Bill C. Wiggins, PE  
Registered Civil Engineer



QMR\_1520\_01\_021405

Attachments: Plate 1, Site Location Map  
Plate 2, Site Plan/Groundwater Elevations  
Appendix A, Groundwater Field Sampling Form for MW-3  
Appendix B, Historical Groundwater Flow Direction and Gradient Data  
Appendix C, Alpha Analytical Laboratories Report dated February 9, 2005  
Appendix D, Historical Groundwater Analytical Results  
Distribution List





**TRANS TECH CONSULTANTS**

930 SHILOH RD., BLDG 44, SUITE J  
WINDSOR, CA 95492  
PHONE: 707-575-8622 FAX: 707-837-7334

## SITE LOCATION MAP

CLYDE GRECO  
5352 OLD REDWOOD HIGHWAY  
SANTA ROSA, CALIFORNIA

PLATE:

1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1520.01 SLM	BRH	1520.01	A-335		12/10/03

OLD REDWOOD HIGHWAY

DRIVE-  
WAY

PARTIALLY CONCRETE-LINED  
DRAINAGE CHANNEL/CULVERT

DRIVE-  
WAY

FENCE

MW-2  
[112.88]

FORMER UST  
(REMOVED 4/00)

112.80

FORMER PRODUCT  
LINE

B-4

B-5

112.40

FORMER DISPENSER

MW-1  
[112.36]

B-2

FORMER UST  
(REMOVED 1/00)

112.00

GRAVEL  
YARD

AUTO  
STORAGE  
YARD

MW-3  
[111.82]

WOOD  
CARPORT

GRAVEL  
YARD

SHED

CONCRETE

⊕ MONITORING WELL  
⊕ BORING LOCATION

[ ] APPROXIMATE LIMITS OF 7/04  
[ ] OVER EXCAVATION

0' 10' 20'  
1" = 20'



**TRANS TECH CONSULTANTS**

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**SITE PLAN/GROUNDWATER ELEVATIONS MAP FOR 2/1/05**

CLYDE GRECO  
5352 OLD REDWOOD HIGHWAY  
SANTA ROSA, CALIFORNIA

**PLATE:**

**2**

SHEET: 1 OF 2

DRAWN BY: PSC	DWG NAME: 1520.01 GWFP	APPR. BY: BRH	JOB NUMBER: 1520.01	W.O. NUMBER: A-676	REVISIONS:	DATE: 2/2/05
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## APPENDIX A



# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1520.01 Greco		Well Number: MW-3
Project Location: 5352 Old Redwood Hwy. Santa Rosa, California	Casing Diameter: 2"	Well Depth from TOC (BP): 23.00 Well Depth from TOC (AP):
Date: February 1, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik 	Product Thickness in inches: 0	
	Water Level from TOC: 13.80	Time: 12:50
Notes: (1) = 12.56' New (2) = 12.95'	Water Level pre-purge: 13.70	Time: 12:57
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC): Well Mat: PVC	

## WEATHER

Wind: Yes/No	Clouds: Yes/No	Sun: Yes/No	Precipitation in last 5 days: Yes/No
Rain: Yes/No	Fog: Yes/No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(       -       ) X (      )<sup>2</sup> X 0.0408 = 1.47 gallons in one well volume  
     TD                      WL                      Dia. Inches

4.42 gallons in 3 well volumes (Approx. 0.6 gal/ft) 5 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
1:01	1	6.69	20.3	185		1259	L
1:02	2	6.62	20.1	189		1171	L
1:03	3	6.55	20.0	193		1170	L
1:04	4	6.52	20.0	194		1224	L
1:05	5	6.56	20.0	191		1264	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 14.95	Time: 1:30
Appearance of Sample:	
Bailer: Disposable	Pump: 12V Submersible (1-2 gpm)
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse	
NUMBER OF DRUMS GENERATED: Water: 1	Soil: 0 Other: 0

## APPENDIX B

### **Appendix B: Historical Groundwater Flow Direction and Gradient Data**

Date	Monitoring Well	TOC Elevation (feet>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet)	Groundwater Flow Direction & Gradient (i)
06/06/03	MW-1	124.92	12.53	112.39	S5°W i = 0.08
	MW-2	125.33	10.05	115.28	
	MW-3	125.52	13.90	111.62	
08/27/03	MW-1	124.92	20.25	104.67	S15°W i = 0.06
	MW-2	125.33	18.07	107.26	
	MW-3	125.52	21.25	104.27	
11/11/03	MW-1	124.92	19.15	112.39	East/Southeast
	MW-2	125.33	22.22	115.28	
	MW-3	125.52	<23.00*	<102.52*	
02/23/04	MW-1	124.92	11.75	113.17	S30°E i = 0.03
	MW-2	125.33	11.90	113.43	
	MW-3	125.52	13.45	112.07	
09/27/04	MW-1	124.92	20.60	104.32	NA
	MW-2	125.33	19.28	104.73	
	MW-3	125.52	NA	NA	
01/05/05	MW-1	124.92	14.38	110.54	S10° E i = 0.05
	MW-2	125.33	13.40	111.93	
	MW-3	125.52	16.16	109.36	
02/01/05	MW-1	124.92	12.56	112.36	S10° E i = 0.02
	MW-2	125.33	12.45	112.88	
	MW-3	125.52	13.70	111.82	
* = inferred depth to groundwater and water level elevation calculated from well depth.					



## APPENDIX C



1520.01

Alpha Analytical Laboratories Inc.

208 Mason Street, Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

09 February 2005

Trans Tech Consultants

Attn: Bill Wiggins

930 Shiloh Rd., Bldg.44, Suite J

Windsor, CA 95492

RE: Greco

Work Order: A502039

Enclosed are the results of analyses for samples received by the laboratory on 02/01/05 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Sheri L. Speaks  
Project Manager



Alpha Analytical Laboratories Inc.

208 Mason Street, Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

**CHEMICAL EXAMINATION REPORT**

Page 1 of 7

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Bill Wiggins

Report Date: 02/09/05 12:27  
Project No: 1520.01  
Project ID: Greco

Order Number  
A502039

Receipt Date/Time  
02/01/2005 16:05

Client Code  
TRANSTEC

Client PO/Reference

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	A502039-01	Water	02/01/05 13:30	02/01/05 16:05

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Nena M. Burgess For Sheri L. Speaks  
Project Manager

2/9/05



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02/01/2005 16:05

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TRANSTEC

Client PO/Reference

**Alpha Analytical Laboratories, Inc.**

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
MW-3 (A502039-01)								
			Sample Type: Water		Sampled: 02/01/05 13:30			
TPH by EPA/LUFT GC/GCMS Methods								
TPH as Gasoline	8260GRO	AB50805	02/06/05	02/08/05	1	ND ug/l	50	
Surrogate: Toluene-d8	"	"	"	"		89.6 %	74-137	
Volatile Organic Compounds by EPA Method 8260B								
Benzene	EPA 8260B	AB50814	02/06/05	02/08/05	1	ND ug/l	0.30	
Toluene	"	"	"	"	"	ND "	0.30	
Ethylbenzene	"	"	"	"	"	ND "	0.50	
Xylenes (total)	"	"	"	"	"	ND "	0.50	
Methyl tert-butyl ether	"	"	"	"	"	0.88 "	0.50	
Di-isopropyl ether	"	"	"	"	"	ND "	0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "	0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "	0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "	10	
1,2-Dichloroethane	"	"	"	"	"	ND "	0.50	
Chlorobenzene	"	"	"	"	"	ND "	0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "	0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "	0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "	0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "	0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		80.4 %	45-147	
Surrogate: Dibromofluoromethane	"	"	"	"		91.6 %	85-129	
Surrogate: Toluene-d8	"	"	"	"		89.6 %	74-137	

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Nena M. Burgess For Sheri L. Speaks  
Project Manager

2/9/05





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Page 3 of 7

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02/01/2005 16:05

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TRANSTEC

Client PO/Reference

Source Result  
TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AB50805 - EPA 5030 Water GCMS</b>										
<b>Blank (AB50805-BLK1)</b>					Prepared: 02/06/05 Analyzed: 02/07/05					
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	22.8		"	25.0		91.2	74-137			
<b>LCS (AB50805-BS1)</b>					Prepared: 02/06/05 Analyzed: 02/07/05					
TPH as Gasoline	172	50	ug/l	200		86.0	70-130			
Surrogate: Toluene-d8	26.0		"	25.0		104	74-137			
<b>LCS Dup (AB50805-BSD1)</b>					Prepared: 02/06/05 Analyzed: 02/07/05					
TPH as Gasoline	170	50	ug/l	200		85.0	70-130	1.17	25	
Surrogate: Toluene-d8	26.0		"	25.0		104	74-137			
<b>Matrix Spike (AB50805-MS1)</b>					<b>Source: A502016-01</b>		Prepared: 02/06/05 Analyzed: 02/08/05			
TPH as Gasoline	168	50	ug/l	200	ND	77.5	70-130			
Surrogate: Toluene-d8	26.2		"	25.0		105	74-137			

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Nena M. Burgess For Sheri L. Speaks  
Project Manager

2/9/05



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208 Mason Street, Ukiah, California 95482

**CHEMICAL EXAMINATION REPORT**

Page 4 of 7

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02/01/2005 16:05

Client Code  
TRANSTEC

Client PO/Reference

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AB50814 - EPA 5030 Water GCMS</b>										
<b>Blank (AB50814-BLK1)</b>				Prepared: 02/06/05 Analyzed: 02/07/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
1,2-Dichloroethane	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Surrogate: Bromofluorobenzene	20.3		"	25.0		81.2	45-147			
Surrogate: Dibromofluoromethane	22.8		"	25.0		91.2	85-129			
Surrogate: Toluene-d8	22.8		"	25.0		91.2	74-137			
<b>LCS (AB50814-BS1)</b>				Prepared: 02/06/05 Analyzed: 02/07/05						
Benzene	4.97	0.30	ug/l	5.00		99.4	79-116			
Toluene	5.64	0.30	"	5.00		113	83-120			
Ethylbenzene	5.35	0.50	"	5.00		107	81-119			
Xylenes (total)	15.4	0.50	"	15.0		103	79-121			
Methyl tert-butyl ether	5.15	0.50	"	5.00		103	73-127			
Di-isopropyl ether	5.56	0.50	"	5.07		110	69-96			QL-03
Ethyl tert-butyl ether	5.32	0.50	"	5.08		105	76-117			

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Nena M. Burgess For Sheri L. Speaks  
Project Manager

2/9/05



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Page 5 of 7

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Client PO/Reference

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AB50814 - EPA 5030 Water GCMS</b>										
<b>LCS (AB50814-BS1)</b>										
					Prepared: 02/06/05 Analyzed: 02/07/05					
Tert-amyl methyl ether	4.88	0.50	"	5.16		94.6	80-122			
Tert-butyl alcohol	124	10	"	98.2		126	53-132			
1,2-Dichloroethane	4.90	0.50	"	5.00		98.0	78-115			
Chlorobenzene	5.12	0.50	"	5.00		102	82-112			
1,3-Dichlorobenzene	5.51	0.50	"	5.00		110	82-117			
1,4-Dichlorobenzene	5.15	0.50	"	5.00		103	85-113			
1,2-Dichlorobenzene	5.11	0.50	"	5.00		102	83-113			
1,2-Dibromoethane (EDB)	5.20	0.50	"	5.00		104	84-117			
Surrogate: Bromofluorobenzene	22.7		"	25.0		90.8	45-147			
Surrogate: Dibromofluoromethane	20.2		"	25.0		80.8	85-129			S-GC
Surrogate: Toluene-d8	23.2		"	25.0		92.8	74-137			
<b>LCS Dup (AB50814-BS1)</b>										
					Prepared: 02/06/05 Analyzed: 02/07/05					
Benzene	4.99	0.30	ug/l	5.00		99.8	79-116	0.402	25	
Toluene	5.47	0.30	"	5.00		109	83-120	3.06	25	
Ethylbenzene	5.20	0.50	"	5.00		104	81-119	2.84	25	
Xylenes (total)	14.8	0.50	"	15.0		98.7	79-121	3.97	25	
Methyl tert-butyl ether	4.92	0.50	"	5.00		98.4	73-127	4.57	25	
Di-isopropyl ether	5.34	0.50	"	5.07		105	69-96	4.04	25	QL-03
Ethyl tert-butyl ether	5.34	0.50	"	5.08		105	76-117	0.375	25	
Tert-amyl methyl ether	4.87	0.50	"	5.16		94.4	80-122	0.205	25	
Tert-butyl alcohol	101	10	"	98.2		103	53-132	20.4	25	
1,2-Dichloroethane	4.90	0.50	"	5.00		98.0	78-115	0.00	25	
Chlorobenzene	5.06	0.50	"	5.00		101	82-112	1.18	25	
1,3-Dichlorobenzene	5.28	0.50	"	5.00		106	82-117	4.26	25	
1,4-Dichlorobenzene	4.98	0.50	"	5.00		99.6	85-113	3.36	25	
1,2-Dichlorobenzene	4.91	0.50	"	5.00		98.2	83-113	3.99	25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

2/9/05



Alpha Analytical Laboratories Inc.

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208 Mason Street, Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 6 of 7

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Bill Wiggins

Report Date: 02/09/05 12:27  
Project No: 1520.01  
Project ID: Greco

Order Number  
A502039

Receipt Date/Time  
02/01/2005 16:05

Client Code  
TRANSTEC

Client PO/Reference

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AB50814 - EPA 5030 Water GCMS</b>										
<b>LCS Dup (AB50814-BSD1)</b>				Prepared: 02/06/05 Analyzed: 02/07/05						
1,2-Dibromoethane (EDB)	5.00	0.50	"	5.00		100	84-117	3.92	25	
Surrogate: Bromofluorobenzene	22.7		"	25.0		90.8	45-147			
Surrogate: Dibromofluoromethane	20.5		"	25.0		82.0	85-129			S-GC
Surrogate: Toluene-d8	23.6		"	25.0		94.4	74-137			
<b>Matrix Spike (AB50814-MS1)</b>				Source: A502016-01 Prepared: 02/06/05 Analyzed: 02/07/05						
Benzene	5.09	0.30	ug/l	5.00	ND	102	63-144			
Toluene	5.50	0.30	"	5.00	ND	110	65-145			
Ethylbenzene	5.25	0.50	"	5.00	ND	105	57-155			
Xylenes (total)	15.1	0.50	"	15.0	ND	101	59-149			
Methyl tert-butyl ether	5.39	0.50	"	5.00	ND	108	62-156			
Di-isopropyl ether	5.45	0.50	"	5.07	ND	107	58-115			
Ethyl tert-butyl ether	5.15	0.50	"	5.08	ND	101	57-147			
Tert-amyl methyl ether	4.30	0.50	"	5.16	ND	83.3	53-153			
Tert-butyl alcohol	105	10	"	98.2	ND	107	41-147			
1,2-Dichloroethane	4.97	0.50	"	5.00	ND	99.4	61-134			
Chlorobenzene	5.10	0.50	"	5.00	ND	102	62-139			
1,3-Dichlorobenzene	5.39	0.50	"	5.00	ND	108	59-140			
1,4-Dichlorobenzene	5.08	0.50	"	5.00	ND	102	62-136			
1,2-Dichlorobenzene	5.11	0.50	"	5.00	ND	102	62-137			
1,2-Dibromoethane (EDB)	5.06	0.50	"	5.00	ND	101	58-140			
Surrogate: Bromofluorobenzene	22.5		"	25.0		90.0	45-147			
Surrogate: Dibromofluoromethane	20.7		"	25.0		82.8	85-129			S-GC
Surrogate: Toluene-d8	22.8		"	25.0		91.2	74-137			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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## CHEMICAL EXAMINATION REPORT

Page 7 of 7

Trans Tech Consultants  
930 Shiloh Rd., Bldg. 44, Suite J  
Windsor, CA 95492  
Attn: Bill Wiggins

Report Date: 02/09/05 12:27  
Project No: 1520.01  
Project ID: Greco

Order Number  
A502039

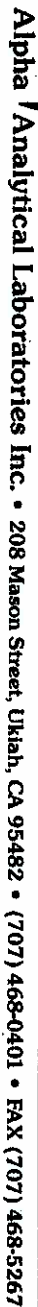
Receipt Date/Time  
02/01/2005 16:05

Client Code  
TRANSTEC

Client PO/Reference

### Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- PQL Practical Quantitation Limit



# WORK ORDER CHAIN OF CUSTODY RECORD

DATE 2/1/05 PAGE 1 OF 1

[illegible]

## APPENDIX D



### Appendix D: Historic Groundwater Analytical Results

Sample Date	Sample ID	TPH as Gasoline	TPH as Diesel	TPH as Motor Oil	B	T	E	X	MtBE
-----µg/L-----									
06/06/03	MW-1	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-2	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-3	<50	77	<200	<0.5	<0.5	<0.5	<1.5	2.3
06/10/03	DW-5352	<50	<50	NA	NA	NA	NA	NA	<1.0
08/27/03	MW-1	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-2	<50	<50	<200	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-3	<50	160	<400	<0.5	<0.5	<0.5	<1.5	<1.0
11/11/03	MW-1	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-2	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	NS	NS	NS	NS	NS	NS	NS	NS
12/30/03	MW-3	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
02/23/04	MW-1	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-2	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	73	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0
09/27/04	MW-1	<50	110	<100	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-2	<50	<50	<100	<0.30	0.56	<0.50	0.71	<0.50
	MW-3	NS	NS	NS	NS	NS	NS	NS	NS
01/05/05	MW-1	<50	<50	<100	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-2	<50	<50	<100	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-3	69	<50	<100	<0.30	<0.30	<0.50	<0.50	1.2
02/01/05	MW-3	<50	NA	NA	<0.30	<0.30	<0.50	<0.50	0.88
< = Indicates the laboratory detection limit. NA = Not analyzed. NS = Not sampled.									



**DISTRIBUTION LIST**

**Data Transmittal and Site Closure Request**

**5352 Old Redwood Highway  
Santa Rosa, California**

**Dated February 14, 2005  
Job No. 1520.01**

Mr. Curtis Greco  
The Chico Formation  
P.O. Box 328  
Santa Rosa, California 95402

North Coast Regional Water  
Quality Control Board  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

